This circular will be sent regularly to all who apply for it.

United States Department of Agriculture,

WASHINGTON, D. C., *August 31, 1914.*

MONTHLY LIST OF PUBLICATIONS.

[AUGUST, 1914.]

No publications are sold by the Department of Agriculture; therefore do not send money to this office.

Copies of any of the publications listed herein except the Journal of Agricultural Research and publications of the Weather Bureau, may be obtained free upon application to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

When this department's supply is exhausted publications can be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

SPECIAL NOTICE.

An increasing number of requests for publications are being received daily in this division with incomplete addresses. Many correspondents fail to sign their names. Some do not give post-office addresses. Persons living in large cities fail to furnish the street address; and some give as the post-office address the name of an office that has been discontinued for years. The department is unable to handle correspondence unless the signature is legible and the post-office address given in full, with street number or rural route number, as the case may be. Correspondents are therefore earnestly requested to see that the complete address is given in all communications addressed to this department.

SERIALS.

Journal of Agricultural Research, Vol. II, No. 5, August, 1914. Contents: Fruit-Rot, Leaf-Spot, and Stem-Blight of the Eggplant, Caused by Phomopsis Vexans. By L. L. Harter.—Head Smut of Sorghum and Maize. By Alden A. Potter.—Oxidases in Healthy and in Curly-Dwarf Potatoes. By H. H. Bunzel. Pp. 331–404, pls. 26–37, figs. 29. Price, 25 cents.

NOTE.—THE JOURNAL OF AGRICULTURAL RESEARCH will be distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being $2.50 per year, 12 numbers.

Experiment Station Record, Vol. XXXI, No. 1, July, 1914. E. W. Allen, Ph. D.; Editor. Pp. 1–100. Price, 15 cents.

Same, Vol. XXXI, No. 2, August, 1914. Pp. 101–200. Price, 15 cents.

The record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts, and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, 10 numbers each, at $1 a volume.

59603°—14

SERVICE AND REGULATORY ANNOUNCEMENTS.

NOTE.—Contain information, instructions, and notices of a regulatory nature. Issued monthly by certain bureaus. Free distribution limited to individuals, firms, establishments, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, at 5 cents each.

Bureau of Animal Industry. July, 1914. Pp. 93–104. Aug. 17, 1914.

Bureau of Chemistry. April, 1914, Supplement. Pp. 207–303. Aug. 3, 1914.

Bureau of Chemistry. July, 1914. Pp. 523–530. Aug. 25, 1914.

Federal Horticultural Board. July, 1914. Pp. 47–50. Aug. 15, 1914.

Insecticide and Fungicide Board. June and July, 1914. Pp. 61–79. Aug. 20, 1914.

SOIL SURVEYS.

Soil Survey of Miller County, Georgia. By Risden T. Allen and E. J. Grimes. Pp. 34, fig. 1, map. (From F. O. Soils, 1913.) Price, 15 cents.

Soil Survey of Jewell County, Kansas. By A. E. Kocher, of the U. S. Department of Agriculture, and J. P. Stack, E. H. Smies, and R. I. Throckmorton, of the Kansas State Agricultural College. Pp. 44, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Pike County, Missouri. By A. T. Sweet, of the U. S. Department of Agriculture, and E. C. Hall, of the University of Missouri. Pp. 44, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

BULLETINS.

Domestic Breeds of Sheep in America. By E. L. Shaw and L. L. Heller, Animal Husbandry Division. Pp. 59, pls. 28. Contribution from the Bureau of Animal Industry. Aug. 17, 1914. (Department Bulletin 94.) Price, 25 cents.

This bulletin gives detailed information as to the origin, adaptability, distribution, distinguishing characteristics, etc., of the various domestic breeds of sheep. It is of especial interest to sheep breeders and to the sheep grower who is desirous of securing the best breed adapted to his particular locality.

The Application of Refrigeration to the Handling of Milk. By John T. Bowen, Technologist, Dairy Division. Pp. 88, figs. 37. Contribution from the Bureau of Animal Industry. (Professional Paper.) Aug. 14, 1914. (Department Bulletin 98.) Price, 10 cents.

Discusses the application of refrigeration in the operation of the modern milk plant and describes the various forms of mechanical and other systems of cooling. Of interest to producers, shippers, dealers, and consumers of milk generally, and also to manufacturers of refrigeration machinery and appliances.

Walnut Aphides in California. By W. M. Davidson, Scientific Assistant, Deciduous Fruit Insect Investigations. Pp. 48, pls. 4, figs. 18. Contribution from the Bureau of Entomology. (Professional Paper.) Aug. 31, 1914. (Department Bulletin 100.) Price, 10 cents.

Of interest to growers of English Walnuts in general.

Harmful Effects of Aldehydes in Soils. By Oswald Schreiner and J. J. Skinner, Scientists in Soil Fertility Investigations. Pp. 26, pls. 8. Contribution from the Bureau of Soils. (Professional Paper.) Aug. 5, 1914. (Department Bulletin 108.) Price, 10 cents.

This bulletin deals with the discovery and properties of aldehydes in soils. These are shown to affect crops unfavorably and decrease the yield greatly. The results are of interest to agricultural experimenters and those practical farmers whose training interests them in the advance of scientific agriculture.

Fattening Cattle in Alabama. By Dan T. Gray, Formerly Professor of Animal Husbandry, Alabama Polytechnic Institute, and W. F. Ward, Animal Husbandry Division. Pp. 41, figs. 4. Contribution from the Bureau of Animal Industry. Aug. 8, 1914. (Department Bulletin 110.) Price, 5 cents.

This bulletin is a report of progress on experiments begun in 1911 in cooperation with the Alabama Agricultural Experiment Station and reported in B. A. I. Bulletins Nos. 103, 131, 147, and 159, and department Bulletin 73, and gives the results of work done during the last and two preceding years. It is applicable to those portions of the South where the climatic conditions and pasture grasses are similar to those in that section of the State where the tests were made.

The Oat Aphis. By J. J. Davis, Entomological Assistant, Cereal and Forest Insect Investigations. Pp. 16, figs. 9. Contribution from the Bureau of Entomology. Aug. 21, 1914. (Department Bulletin 112.) Price, 5 cents.

This bulletin describes an insect found on the small grains, more especially oats. The bulletin is of interest to growers of cereals.

The Lesser Bud-Moth. By E. W. Scott and J. H. Paine, Entomological Assistants, Deciduous Fruit Insect Investigations. Pp. 16, pls. 2, fig. 1. Contribution from the Bureau of Entomology. (Professional Paper.) Aug. 22, 1914. (Department Bulletin 113.) Price, 5 cents.

Describes an imported insect which is very destructive to several kinds of growing fruit and has attained quite wide distribution throughout the Northeastern and North Central States.

The Inorganic Composition of Some Important American Soils. By W. O. Robinson, Scientist in Soil Laboratory Investigations. Pp. 27. Contribution from the Bureau of Soils. (Professional Paper.) Aug. 24, 1914. (Department Bulletin 122.) Price, 5 cents.

This bulletin gives the results of chemical and mineralogical investigations of certain important soils. The inorganic part alone is considered, and special attention is given to the so-called rare elements. It is technical and intended for the use of research workers in agricultural chemistry and teachers in the same field. It will also be found of secondary interest to practical agriculturists.

The Alfalfa Caterpillar. By V. L. Wildermuth, Entomological Assistant, Cereal and Forage Insect Investigations. Pp. 40, pls. 2, figs. 20. Contribution from the Bureau of Entomology. Aug. 28, 1914. (Department Bulletin 124.) Price, 10 cents.

This bulletin is especially applicable to the Southwest, where the alfalfa caterpillar occurs in destructive numbers in irrigated alfalfa fields.

Operating Costs of a Well-Established New York Apple Orchard. By G. H. Miller, Assistant, Office of Farm Management. Pp. 16, figs. 3. Contribution from the Bureau of Plant Industry. Aug. 21, 1914. (Department Bulletin 130.) Price, 5 cents.

This bulletin contains data on the cost of producing apples in a mature orchard operated in connection with a general farm in western New York. The information is applicable to all similar operations.

A Biometrical Study of Egg Production in the Domestic Fowl. III. Variation and Correlation in the Physical Characters of the Egg. By Raymond Pearl, Ph. D., Biologist, Maine Agricultural Experiment Station, and Frank Surface, Ph. D., Biologist, Maine Agricultural Experiment Station. Pp. vi+171–241, figs. 14. July 31, 1914. (Bulletin 110, Part 3, Bureau of Animal Industry.) Price, 10 cents.

Absorption of Fertilizer Salts by Hawaiian Soils. By Wm. McGeorge, Assistant Chemist. Pp. 32. Aug. 24, 1914. (Bulletin 35, Hawaii Experiment Station.) Price, 5 cents.

Directory of Officials and Organizations Concerned with the Protection of Birds and Game, 1914. Pp. 16. Aug. 22, 1914. (Biological Survey.)

The Pink Bollworm. By W. D. Hunter, In Charge of Southern Field Crop Insect Investigations, Bureau of Entomology. Pp. 6, figs. 5. Aug. 7, 1914. (Bureau of Entomology.) Price, 5 cents.

This circular gives information about an insect that damages cotton crops and whose importation into this country is to be guarded against. It is of especial interest to both cotton growers and manufacturers.

The Work of the Huntley Reclamation Project Experiment Farm in 1913. By Dan Hansen, Farm Superintendent. Pp. 14, figs. 5. Aug. 13, 1914. (Bureau of Plant Industry.)

The Work of the Truckee-Carson Reclamation Project Experiment Farm in 1913. By F. B. Headley, Farm Superintendent. Pp. 14, figs. 2. Aug. 8, 1914. (Bureau of Plant Industry.)

The Work of the Umatilla Reclamation Project Experiment Farm in 1913. By R. W. Allen, Collaborator. Pp. 14, figs. 4. Aug. 25, 1914. (Bureau of Plant Industry.)

UNIVERSITY OF FLORIDA
3 1262 08853 1214

Farmers' Bulletins.

Production of Clean Milk. Prepared in the Dairy Division. Pp. 18, figs. 6. Contribution from the Bureau of Animal Industry. Aug. 21, 1914. (Farmers' Bulletin 602.)

This bulletin is intended to be of special value to all persons engaged in the production of milk, and also to consumers who are interested in procuring clean, safe milk.

Arsenical Cattle Dips: Methods of Preparation and Directions for Use. By Robert M. Chapin, Senior Biochemist, Biochemic Division. Pp. 16, fig. 1. Contribution from the Bureau of Animal Industry. Aug. 14, 1914. (Farmers' Bulletin 603.)

Applicable only to that part of the United States infected with the Texas fever tick.

Collection and Preservation of Insects and Other Material for Use in the Study of Agriculture. By C. H. Lane, Chief Specialist in Agricultural Education, and Nathan Banks, Entomological Assistant. Pp. 18, figs. 15. Contribution from the Office of Experiment Stations and the Bureau of Entomology. Aug. 20, 1914. (Farmers' Bulletin 606.)

This bulletin is intended for the use of teachers in rural schools throughout the country.

Removal of Garlic Flavor from Milk and Cream. By S. Henry Ayers, Bacteriologist, and W. T. Johnson, Jr., Scientific Assistant, Dairy Division. Pp. 4, fig. 1. Contribution from the Bureau of Animal Industry. Aug. 6, 1914. (Farmers' Bulletin 608.)

Of interest to dairymen and milk dealers generally.

The Agricultural Outlook. Contribution from the Bureau of Crop Estimates. Aug. 22, 1914. Pp. 41, figs. 5. (Farmers' Bulletin 615.)

Contents: General review of crop conditions, August 1, 1914—Outlook for 1914 foreign wheat crop—Cotton condition, July 1, 1914, with comparisons—Apple-crop forecast—Sugar-beet forecast—Durum-wheat exports—Trend of prices of farm products—Acreage, conditions, forecast, and prices of specified crops (tables)—Prices of farm products (tables).

Publications of the Weather Bureau.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Bulletin of the Mount Weather Observatory, Vol. 6, Pt. 5 (Final Number). Pp. 195–265, pls. 3, figs. 36. (W. B. No. 532.) Aug. 20, 1914. Price, 25 cents.

National Weather and Crop Bulletin, August 4, 11, 18, 25, 1914, reporting temperature, rainfall, and crop conditions throughout the United States. (Issued weekly, on Tuesday, April to October; monthly remainder of year.)

Note.—The publication of the National Weather Bulletin in the single sheet form was discontinued with the issue of June 29, 1914. Hereafter this bulletin will appear in quarto form of eight or more pages, and in addition to the usual weather and crop information it will contain diagrams showing for the preceding weeks, from the beginning of the season, the temperature and precipitation conditions over the larger crop-growing areas, with departures from the normal values. The diagrams will likewise contain certain data showing the condition of the principal crops in these areas from month to month. These latter will be furnished by the Bureau of Crop Estimates, U. S. Department of Agriculture.

Jos. A. Arnold,
Editor and Chief Division of Publications.

WASHINGTON : GOVERNMENT PRINTING OFFICE : 1914